

Table ENG-4. - Building Site Development

Chesterfield County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Fluvaquents	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.80		
2:							
Udifluvents	85	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
				Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
3A:							
Fluvaquents, ponded	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Ponding	1.00	Ponding	1.00
6B:							
Worsham	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.03		
Pouncey	5	Not Rated		Not Rated		Not Rated	
7B:							
Colfax	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.90	Depth to thick cemented pan	1.00	Depth to cemented pan	0.90
				Cutbanks cave	0.10	Droughty	0.18
Worsham	3	Not Rated		Not Rated		Not Rated	
8B:							
Tetotum	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Depth to saturated zone	1.00	Ponding	1.00
		Depth to saturated zone	0.19	Ponding	1.00	Depth to saturated zone	0.19
				Cutbanks cave	0.10		
Coxville	3	Not Rated		Not Rated		Not Rated	

15:

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15: Made land	100	Not Rated		Not Rated		Not Rated	
16: Orthents	30	Not Rated		Not Rated		Not Rated	
Udults	30	Not Rated		Not Rated		Not Rated	
Mine pits	20	Not Rated		Not Rated		Not Rated	
17B: Gritney	85	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 0.75 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.75
17C: Gritney	85	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 0.75 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone Slope	0.75 0.04
21B: Atlee	85	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Coxville	3	Not Rated		Not Rated		Not Rated	
24B: Spotsylvania	85	Somewhat limited Low strength Shrink-swell	0.78 0.50	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
24C: Spotsylvania	85	Somewhat limited Low strength Shrink-swell Slope	0.78 0.50 0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.13 0.10 0.04	Somewhat limited Slope	0.04
26B: Toccoa	85	Very limited Flooding	1.00	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.80 0.73 0.10	Very limited Flooding	1.00

28:

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
				Flooding	0.80		
Chastain	5	Not Rated		Not Rated		Not Rated	
Fluvaquent	5	Not Rated		Not Rated		Not Rated	
Hydraquent	5	Not Rated		Not Rated		Not Rated	
30B:							
Lenoir	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Shrink-swell	0.50	Too clayey	0.28		
		Depth to saturated zone	0.48	Cutbanks cave	0.10		
Coxville	3	Not Rated		Not Rated		Not Rated	
31:							
Chastain	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.80		
Fluvaquent	8	Not Rated		Not Rated		Not Rated	
Forestdale	7	Not Rated		Not Rated		Not Rated	
33B:							
Coxville	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
Fluvaquent	3	Not Rated		Not Rated		Not Rated	
Pouncey	3	Not Rated		Not Rated		Not Rated	
37:							
Forestdale	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Low strength	1.00	Flooding	0.80	Depth to saturated zone	0.94
		Shrink-swell	1.00	Too clayey	0.28		

38B:

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
38B:							
Cecil	85	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Not limited	
38C:							
Cecil	85	Very limited Low strength Slope	1.00 0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.72 0.10 0.04	Somewhat limited Slope	0.04
38D:							
Cecil	85	Very limited Slope Low strength	1.00 1.00	Very limited Slope Too clayey Cutbanks cave	1.00 0.72 0.10	Very limited Slope	1.00
41B:							
Craven	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Not limited	
Coxville	3	Not Rated		Not Rated		Not Rated	
42B:							
Appling	85	Not limited		Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
42C:							
Appling	85	Somewhat limited Slope	0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.28 0.10 0.04	Somewhat limited Slope	0.04
42D:							
Appling	85	Very limited Slope	1.00	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
45B:							
Durham	45	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
45B:							
Bourne	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
				Depth to dense layer	0.50	Depth to saturated zone	0.19
48B:							
Orange	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28		
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
48C:							
Orange	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28	Slope	0.04
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
49B:							
Bourne	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
				Depth to dense layer	0.50	Depth to saturated zone	0.19
49C:							
Bourne	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
		Slope	0.04	Depth to dense layer	0.50	Depth to saturated zone	0.19
50C:							
Enon	45	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to hard bedrock	1.00		
		Shrink-swell	1.00	Too clayey	0.28		
				Cutbanks cave	0.10		
Vance	40	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
50F:							
Enon	45	Very limited		Very limited		Very limited	
		Low strength	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to hard bedrock	1.00		
		Slope	1.00	Too clayey	0.28		
Louisburg	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Content of large stones	0.03
51B:							
Pamunkey	85	Somewhat limited		Very limited		Not limited	
		Low strength	0.22	Cutbanks cave	1.00		
51C:							
Pamunkey	85	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.22	Cutbanks cave	1.00	Slope	0.04
		Slope	0.04	Slope	0.04		
51D:							
Pamunkey	85	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Low strength	0.22	Slope	1.00		
53B:							
Molena	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.96
59B:							
Mayodan	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
59C:							
Mayodan	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.28	Slope	0.04
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.04	Slope	0.04		
59D:							
Mayodan	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
61B:							

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
61B:							
Creedmoor	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28		
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
61C:							
Creedmoor	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28	Slope	0.04
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
61C2:							
Creedmoor	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28	Slope	0.04
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
65B:							
Abell	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.99		
				Cutbanks cave	0.10		
66B:							
Varina	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.35		
				Too clayey	0.28		
				Cutbanks cave	0.10		
67B:							
Lenoir	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Low strength	1.00	Flooding	0.80	Depth to saturated zone	0.48
		Shrink-swell	0.50	Too clayey	0.28		
Forestdale	3	Not Rated		Not Rated		Not Rated	
Chastain	2	Not Rated		Not Rated		Not Rated	
68B:							

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
68B:							
Dogue variant	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Flooding	0.40	Too clayey	0.03		
70B:							
Norfolk	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.15		
				Cutbanks cave	0.10		
71B:							
Buncombe	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	1.00
				Flooding	0.80	Droughty	0.96
Chastain	3	Not Rated		Not Rated		Not Rated	
80B:							
Colfax variant	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	0.99	Depth to thick cemented pan	1.00	Depth to cemented pan	0.99
				Too clayey	0.50	Droughty	0.99
				Cutbanks cave	0.10		
Coxville	3	Not Rated		Not Rated		Not Rated	
Pouncey	2	Not Rated		Not Rated		Not Rated	
82B:							
Kempsville	45	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
Bourne	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
				Depth to dense layer	0.50	Depth to saturated zone	0.19
82C:							
Kempsville	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
				Slope	0.04		

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
82C:							
Bourne	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
		Slope	0.04	Depth to dense layer	0.50	Depth to saturated zone	0.19
92B:							
Rumford	85	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
92C:							
Rumford	85	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	1.00	Slope	0.04
				Slope	0.04		
100:							
Hydraquents	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
101B:							
Starr	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Flooding	0.40				
103B:							
Masada	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.13	Gravel content	0.60
				Cutbanks cave	0.10		
103C:							
Masada	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.13	Gravel content	0.60
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
				Slope	0.04		
105C:							
Louisburg	85	Not limited		Somewhat limited		Somewhat limited	
				Depth to hard bedrock	1.00	Content of large stones	0.03
				Cutbanks cave	0.10		
105D:							

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
105D: Louisburg	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones	1.00 0.03
105E: Louisburg	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones	1.00 0.03
106B: Masada	85	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
106C: Masada	85	Very limited Low strength Slope	1.00 0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.13 0.10 0.04	Somewhat limited Slope	0.04
107B: Turbeville	85	Not limited		Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
107C: Turbeville	85	Somewhat limited Slope	0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.13 0.10 0.04	Somewhat limited Slope	0.04
108B: Turbeville	85	Not limited		Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Somewhat limited Gravel content	0.26
108C: Turbeville	85	Somewhat limited Slope	0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.13 0.10 0.04	Somewhat limited Gravel content Slope	0.26 0.04
110B: Faceville	50	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Somewhat limited Gravel content	0.08

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
110B:							
Gritney	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Depth to saturated	0.75
		Depth to saturated zone	0.75	zone		zone	
		Shrink-swell	0.50	Cutbanks cave	1.00	Gravel content	0.32
				Too clayey	0.28		
110C:							
Faceville	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.13	Gravel content	0.08
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
				Slope	0.04		
Gritney	30	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Depth to saturated	0.75
		Depth to saturated zone	0.75	zone		zone	
		Shrink-swell	0.50	Cutbanks cave	1.00	Gravel content	0.32
				Too clayey	0.28	Slope	0.04
112B:							
Orangeburg	50	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
Faceville	35	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.13		
				Cutbanks cave	0.10		
112C:							
Orangeburg	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
Faceville	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.13	Slope	0.04
		Slope	0.04	Cutbanks cave	0.10		
				Slope	0.04		
117B:							
Masada	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.13		
				Cutbanks cave	0.10		
117C:							
Masada	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.13	Slope	0.04
		Slope	0.04	Cutbanks cave	0.10		
				Slope	0.04		
123B:							

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
123B: Creedmoor	85	Very limited Low strength Shrink-swell Depth to saturated zone	 1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	 1.00 0.28 0.10	Somewhat limited Depth to saturated zone	 0.19
123C: Creedmoor	85	Very limited Low strength Shrink-swell Depth to saturated zone	 1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	 1.00 0.28 0.10	Somewhat limited Depth to saturated zone Slope	 0.19 0.04
137: Roanoke	85	Very limited Depth to saturated zone Flooding Low strength	 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	 1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	 1.00 1.00
142B: Appling	85	Not limited		Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones Gravel content	 0.08 0.01
142C: Appling	45	Somewhat limited Slope	 0.04	Somewhat limited Too clayey Cutbanks cave Slope	 0.28 0.10 0.04	Somewhat limited Slope	 0.04
Wedowee	40	Somewhat limited Low strength Slope	 0.78 0.04	Somewhat limited Cutbanks cave Slope	 0.10 0.04	Somewhat limited Slope	 0.04
142D: Appling	45	Very limited Slope	 1.00	Very limited Slope Too clayey Cutbanks cave	 1.00 0.28 0.10	Very limited Slope	 1.00
Wedowee	45	Very limited Slope Low strength	 1.00 0.78	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope	 1.00
142E: Wedowee	85	Very limited Slope Low strength	 1.00 0.78	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope Gravel content	 1.00 0.08

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
151B: Mayodan	85	Very limited Low strength Shrink-swell	 1.00 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones Gravel content	 0.08 0.06
151C: Mayodan	85	Very limited Low strength Shrink-swell Slope	 1.00 0.50 0.04	Somewhat limited Too clayey Cutbanks cave Slope	 0.28 0.10 0.04	Somewhat limited Content of large stones Gravel content Slope	 0.08 0.06 0.04
151D: Mayodan	85	Very limited Slope Low strength Shrink-swell	 1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	 1.00 0.28 0.10	Very limited Slope Content of large stones Gravel content	 1.00 0.08 0.06
157B: Faceville	50	Very limited Low strength	 1.00	Somewhat limited Too clayey Cutbanks cave	 0.13 0.10	Not limited	
Gritney	35	Very limited Low strength Depth to saturated zone Shrink-swell	 1.00 0.75 0.50	Very limited Depth to saturated zone Cutbanks cave Too clayey	 1.00 1.00 0.28	Somewhat limited Depth to saturated zone	 0.75
158B: Tetotum	85	Somewhat limited Depth to saturated zone	 0.19	Very limited Depth to saturated zone Cutbanks cave Too clayey	 1.00 0.10 0.02	Somewhat limited Depth to saturated zone	 0.19
159B: Pouncey	85	Very limited Depth to saturated zone Depth to hard bedrock Flooding	 1.00 0.46 0.40	Very limited Depth to hard bedrock Depth to saturated zone Too clayey	 1.00 1.00 0.13	Very limited Depth to saturated zone Depth to bedrock Droughty	 1.00 0.46 0.38
Coxville	5	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
162B:							

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
162B: Faceville	85	Very limited Low strength	1.00	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
162C: Faceville	85	Very limited Low strength Slope	1.00 0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.13 0.10 0.04	Somewhat limited Slope	0.04
163B: Vaucluse	85	Not limited		Very limited Cutbanks cave Depth to dense layer	1.00 0.50	Not limited	
163C: Vaucluse	85	Somewhat limited Slope	0.04	Very limited Cutbanks cave Depth to dense layer Slope	1.00 0.50 0.04	Somewhat limited Slope	0.04
165C: Pinkston	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.04	Very limited Depth to hard bedrock Cutbanks cave Slope	1.00 1.00 0.04	Somewhat limited Droughty Gravel content Depth to bedrock	0.57 0.54 0.46
165D: Pinkston	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Depth to hard bedrock Cutbanks cave Slope	1.00 1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.57 0.54
165F: Pinkston	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.57 0.54
167: Augusta	85	Somewhat limited Depth to saturated zone	0.75	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
169B:							

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
169B: Bourne	85	Somewhat limited Depth to thick cemented pan Depth to saturated zone	0.97 0.19	Very limited Depth to thick cemented pan Depth to saturated zone Depth to dense layer	1.00 1.00 0.50	Somewhat limited Depth to cemented pan Droughty Depth to saturated zone	0.97 0.49 0.19
169C: Bourne	85	Somewhat limited Depth to thick cemented pan Depth to saturated zone Slope	0.97 0.19 0.04	Very limited Depth to thick cemented pan Depth to saturated zone Depth to dense layer	1.00 1.00 0.50	Somewhat limited Depth to cemented pan Droughty Depth to saturated zone	0.97 0.49 0.19
172D: Ochrepts	45	Somewhat limited Slope	0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Not Rated	
Udults	40	Somewhat limited Slope	0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Not Rated	
172E: Ochrepts	45	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated	
Udults	40	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated	
172F: Ochrepts	50	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated	
Udults	40	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated	
188: Dunbar	85	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.48	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.48
Coxville	3	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
188: Pouncey	2	Not Rated		Not Rated		Not Rated	
191: Aqualts	85	Very limited Depth to saturated zone Flooding Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
201B: Mayodan	40	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
Creedmoor	35	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.19
201C: Mayodan	40	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.28 0.10 0.04	Somewhat limited Slope	0.04
Creedmoor	30	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone Slope	0.19 0.04
201D: Mayodan	40	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
Creedmoor	30	Very limited Low strength Shrink-swell Slope	1.00 1.00 1.00	Very limited Depth to saturated zone Slope Too clayey	1.00 1.00 0.28	Very limited Slope Depth to saturated zone	1.00 0.19
201F: Mayodan	45	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
201F:							
Pinkston	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Slope	1.00	Depth to bedrock	0.46
				Cutbanks cave	1.00	Droughty	0.07
202B:							
Creedmoor	60	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28		
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Worsham	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.03		
202C:							
Creedmoor	60	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.28	Slope	0.04
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Worsham	25	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10	Slope	0.04
		Shrink-swell	0.50	Slope	0.04		
207C:							
Colfax	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Depth to thin cemented pan	0.90	Depth to cemented pan	0.90
				Cutbanks cave	0.10	Droughty	0.18
				Slope	0.04	Slope	0.04
Worsham	3	Not Rated		Not Rated		Not Rated	
210B:							
Vance	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
210C:							
Vance	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.28	Slope	0.04
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.04	Slope	0.04		

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
210D: Vance	85	Very limited Low strength Slope Shrink-swell	 1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	 1.00 0.28 0.10	Very limited Slope	 1.00
212B: Lucy	45	Not limited		Very limited Cutbanks cave	 1.00	Not limited	
Orangeburg	40	Very limited Low strength	 1.00	Somewhat limited Cutbanks cave	 0.10	Not limited	
212C: Lucy	45	Somewhat limited Slope	 0.04	Very limited Cutbanks cave Slope	 1.00 0.04	Somewhat limited Slope	 0.04
Orangeburg	40	Very limited Low strength Slope	 1.00 0.04	Somewhat limited Cutbanks cave Slope	 0.10 0.04	Somewhat limited Slope	 0.04
241C: Grover	50	Somewhat limited Slope	 0.04	Somewhat limited Cutbanks cave Slope	 0.10 0.04	Somewhat limited Slope	 0.04
Louisburg	30	Somewhat limited Slope	 0.04	Somewhat limited Depth to hard bedrock Cutbanks cave Slope	 1.00 0.10 0.04	Somewhat limited Slope Content of large stones	 0.04 0.03
244B: Edgehill	85	Somewhat limited Shrink-swell	 0.50	Very limited Cutbanks cave Too clayey	 1.00 0.13	Very limited Gravel content Droughty Content of large stones	 1.00 0.07 <0.01
244C: Edgehill	85	Somewhat limited Shrink-swell Slope	 0.50 0.04	Very limited Cutbanks cave Too clayey Slope	 1.00 0.13 0.04	Very limited Gravel content Droughty Slope	 1.00 0.07 0.04
244D: Edgehill	85	Very limited Slope Shrink-swell	 1.00 0.50	Very limited Cutbanks cave Slope Too clayey	 1.00 1.00 0.13	Very limited Slope Gravel content Droughty	 1.00 1.00 0.07

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
244E:							
Edgehill	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	1.00	Gravel content	1.00
				Too clayey	0.13	Droughty	0.07
245B:							
Appling	45	Not limited		Somewhat limited		Not limited	
				Too clayey	0.28		
				Cutbanks cave	0.10		
Spotsylvania	40	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Too clayey	0.13		
		Shrink-swell	0.50	Cutbanks cave	0.10		
251C:							
Mayodan	35	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.28	Gravel content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.08
Creedmoor	30	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to saturated zone	1.00	Gravel content	1.00
		Shrink-swell	1.00	Too clayey	0.28	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Edgehill	25	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Gravel content	1.00
				Too clayey	0.13	Droughty	0.07
						Content of large stones	<0.01
251D:							
Mayodan	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.28	Gravel content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.08
Creedmoor	30	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to saturated zone	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Gravel content	1.00
		Slope	1.00	Too clayey	0.28	Depth to saturated zone	0.19
Edgehill	25	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Shrink-swell	0.50	Slope	1.00	Gravel content	1.00
				Too clayey	0.13	Droughty	0.07

251F:

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
251F:							
Mayodan	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.28	Gravel content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.08
Creedmoor	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to saturated zone	1.00	Gravel content	1.00
		Shrink-swell	1.00	Too clayey	0.28	Depth to saturated zone	0.19
Edgehill	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	1.00	Gravel content	1.00
				Too clayey	0.13	Droughty	0.07
261B:							
Bourne	45	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.97	Depth to thick cemented pan	1.00	Depth to cemented pan	0.97
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Droughty	0.49
				Depth to dense layer	0.50	Depth to saturated zone	0.19
Colfax	40	Not limited		Somewhat limited		Somewhat limited	
				Cutbanks cave	0.10	Droughty	0.01
				Too clayey	0.02		
Worsham	3	Not Rated		Not Rated		Not Rated	
305B:							
Grover	85	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
305C:							
Grover	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
				Slope	0.04		
305D:							
Grover	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10		
305E:							
Grover	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10		

340B:

Table ENG-4. - Building Site Development - Continued

Chesterfield County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
340B: Cullen	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Not limited	
340C: Cullen	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.72 0.10 0.04	Somewhat limited Slope	0.04
340D: Cullen	85	Very limited Low strength Slope Shrink-swell	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.72 0.10	Very limited Slope	1.00
505D: Louisa variant	85	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
505F: Louisa variant	85	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
542B: Appling	85	Not limited		Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
542C: Appling	85	Somewhat limited Slope	0.04	Somewhat limited Too clayey Cutbanks cave Slope	0.28 0.10 0.04	Somewhat limited Slope	0.04
W: Water	100	Not Rated		Not Rated		Not Rated	